| S42 | 215  | potassium near3 \$4butoxide near9 (ammonia amine hydroxide triethylamine) near9 THF   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 16:57 |
|-----|------|---|---|------|----|------------------|
| S43 | . 23 | potassium near3 \$4butoxide near9 (ethanol\$1amine triethylamine) near9 THF   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 16:59 |
| S44 | 0    | S43 near9 neutral\$9  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 16:58 |
| S45 | 21   | potassium near3 \$4butoxide near9 (ethanol\$1amine triethylamine) near9 neutral\$9  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 17:02 |
| S46 | 13   | S45 same (tetarahydrofuran THF)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 17:00 |
| S47 | 7    | potassium near3 \$4butoxide near9 (ethanol\$1amine amine hydroxide triethylamine) near9 neutral\$9 near9 (tetarahydrofuran THF) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON | 2004/12/07 17:03 |
| S48 | 5    | (ADAMS near3 EDWARD near3 WILLIAM ).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/11/22 11:54 |
| S49 | 5    | (BRUCHEZ near3 MARCEL near3 PIERRE).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 11:56 |
| S50 | 23   | (QUANTUM near3 DOT near3 CORPORATION).as.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 11:56 |

| S51 | 27  | S48 S49 S50 .  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:05 |
|-----|-----|--|---|------|----|------------------|
| S52 | 11  | "6649138"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:02 |
| S53 | 27  | S51 and dispers\$9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:06 |
| S54 | 12  | S51 and dispers\$9.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:12 |
| S55 | 767 | ((dispersing near agent) dispersant)<br>near9 hydrophob\$4 near9<br>hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:14 |
| S56 | 99  | ((dispersing near agent) dispersant)<br>near9 (region portion unit) near9<br>hydrophob\$4 near9 hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/11/22 12:16 |
| S57 | 5   | ((dispersing near agent) dispersant)<br>near9 (plurality many) near9<br>(region portion unit) near9<br>hydrophob\$4 near9 hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:15 |
| S58 | 267 | non\$1ionic near9 (surfactant<br>(surface near3 active) detergent<br>(dispersing near agent) dispersant)<br>near9 (region portion unit) near9<br>hydrophob\$4 near9 hydrophil\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/22 12:18 |

| S59 | 8   | non\$1ionic near9 (surfactant (surface near3 active) detergent   | US-PGPUB;<br>USPAT;   | OR | ON | 2005/11/22 12:20 |
|-----|-----|--|---|----|----|------------------|
|     |     | (dispersing near agent) dispersant) near9 (plurality many) near9 (region portion unit) near9 hydrophob\$4 near9 hydrophil\$4   | USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        |    |    |                  |
| S60 | 33  | (surfactant (surface near3 active) detergent (dispersing near agent) dispersant) near9 (plurality many random) near9 (region portion unit) near9 hydrophob\$4 near9 hydrophil\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:25 |
| S61 | 52  | polymeric near3 (surfactant<br>(surface near3 active) detergent<br>(dispersing near agent) dispersant)<br>near9 (region portion unit) near9<br>hydrophob\$4 near9 hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:37 |
| S62 | 11  | polymeric near3 ((dispersing near<br>agent) dispersant) near9 (region<br>portion unit) near9 hydrophob\$4<br>near9 hydrophil\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:27 |
| S63 | 288 | "4,597,794"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:27 |
| S64 | 2   | "4,597,794".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:27 |
| S65 | 41  | S61 not S62  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:36 |
| S66 | 23  | polymeric near3 (surfactant<br>(surface near3 active) detergent<br>(dispersing near agent) dispersant)<br>near9 (backbone) near9<br>hydrophob\$4 near9 hydrophil\$4              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:43 |

| S67 | 53  | (polymer\$3 comb star) near3<br>(surfactant (surface near3 active)<br>detergent (dispersing near agent)<br>dispersant) near9 (backbone) near9<br>hydrophob\$4 near9 hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:43 |
|-----|-----|--|---|----|----|------------------|
| S68 | 70  | (polymer\$3 comb star) near3 (surfactant (surface near3 active) detergent (dispersing near agent) dispersant) near9 (backbone (repeating near3 (unit region portion monomer\$3))) near9 hydrophob\$4 near9 hydrophil\$4                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:45 |
| S69 | 74  | (polymer\$3 copolymer\$3 graft comb star) near3 (surfactant (surface near3 active) detergent (dispersing near agent) dispersant) near9 (backbone (repeating near3 (unit region portion monomer\$3))) near9 hydrophob\$4 near9 hydrophil\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:46 |
| S70 | 17  | (polymer\$3 copolymer\$3 graft comb star) near3 ((dispersing near agent) dispersant) near9 (backbone (repeating near3 (unit region portion monomer\$3))) near9 hydrophob\$4 near9 hydrophil\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:58 |
| S71 | 3   | "05179183"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:53 |
| S72 | 166 | "5221334"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:35 |
| S73 | 151 | S72 and solvent and (water aqueous)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:54 |
| S74 | 124 | S72 and solvent near9 (water aqueous)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 12:54 |

| S75 | 17 | (polymer\$3 copolymer\$3 graft block<br>amphipathic amphiphil\$4 comb<br>star) near3 ((dispersing near agent)<br>dispersant) near9 (backbone<br>(repeating near3 (unit region<br>portion monomer\$3))) near9<br>hydrophob\$4 near9 hydrophil\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:01 |
|-----|----|---|---|----|----|------------------|
| S76 | 14 | (polymer\$3 copolymer\$3 block<br>amphipathic amphiphil\$4 star)<br>near3 ((dispersing near agent)<br>dispersant) near9 (backbone<br>(repeating near3 (unit region<br>portion monomer\$3))) near9<br>hydrophob\$4 near9 hydrophil\$4            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:23 |
| S77 | 2  | "5231131".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:21 |
| S78 | 2  | "5372638".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:22 |
| S79 | 2  | "6441066".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:23 |
| S80 | 2  | "5221334".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/22 13:35 |